

## **AMENDMENTS TO THE CLAIMS**

The following listing of claim will replace all prior versions and listings of claims in the application.

### **Listing of Claims**

1. (Currently Amended) A lock nut (1) ~~for preventing a fastening nut (7) fastened against a bolt (6) from being loosened, the lock nut (1) comprising:~~

a nut body ~~[[2]]~~ having a plurality of partially circumferential grooves ~~[[30]]~~ formed continuously and concentrically from a each extending along a same radius, from a seat surface of the lock nut to a circumferential edge of a threaded hole, ~~(4) of one seat surface (3)~~

wherein each of and a plurality of projections (5) formed in said groove (30), is disposed between each of the plurality of grooves and

~~wherein each projections (5) is made from the same material as that of the a nut body~~ ~~[[2]]~~ and has comprises:

an arcuate outer side face ~~[[31]]~~ extending in a tilted manner from the border between above the seat surface, from an intersection of the seat surface ~~[[3]]~~ and an outer circumferential radius corresponding to each of the plurality of partially circumferential grooves and the groove (30) of said nut body (2) toward a center of the nut body,

~~[[2]]~~ and an inner side face ~~[[32]]~~ being an extension of an inner face of said threaded hole ~~[[4]]~~, and

a base portion extending radially along the groove from the outer circumferential radius to the threaded hole,

wherein a depth of said groove ~~[[30]]~~ is made configured such that the projection (5) crushed when said nut body ~~[[2]]~~ is threadably engaged with the a bolt ~~[[6]]~~ and fastened against it by the fastening nut (7) does a head of the bolt, each of the plurality of projections is crushed and do not enter the a space between a seat surface ~~[[8]]~~ of said fastening nut (7) the head of the bolt and the seat surface ~~[[3]]~~ of said the nut body ~~[[2]]~~.

2. (Currently Amended) A lock nut according to claim 1, wherein an extremity of each of said projections [(5)] is formed with a claw [(11)] directed toward a center of said nut body [(2)].
3. (Previously Presented) A lock nut according to claim 1, wherein each of said projections [(5)] has a screw head [(12)] being formed on said inner side face [(32)] and threadably engaged with a threaded part of said bolt [(6)].
4. (Currently Amended) A lock nut according to claim 1, wherein said fastening nut [(7)] is connected to the side of each of said projections [(5)] of said nut body [(2)]; and wherein a height of each of said projections [(5)] is set so that a lead angle and a pitch clearance of the threaded hole [(4)] of said nut body [(2)] coincide with a lead angle and a pitch clearance of a threaded hole [(10)] of said fastening nut [(7)].
5. (Currently Amended) A lock nut according to claim 1, wherein the height of each of said projections [(5)] is equal to or more than 30% of a length of said nut body [(2)] in the direction of its central axis.
6. (Currently Amended) A lock nut according to claim 1, wherein each of said projections [(5)] has a tapered mountain-shaped form.
7. (Currently Amended) A lock nut according to or claim 2, wherein each of said projections [(5)] has a screw head [(12)] being formed on said inner side face [(32)] and threadably engaged with a threaded part of said bolt [(6)].
8. (Currently Amended) A lock nut according to claim 2, wherein said fastening nut [(7)] is connected to the side of each of said projections [(5)] of said nut body [(2)]; and wherein a height of each of said projections [(5)] is set so that a lead angle and a pitch clearance of the threaded hole [(4)] of said nut body [(2)] coincide with a lead angle and a pitch clearance of a threaded hole [(10)] of said fastening nut [(7)].

9. (Currently Amended) A lock nut according to claim 3, wherein said fastening nut [(7)] is connected to the side of each of said projections [(5)] of said nut body [(2)]; and wherein a height of each of said projections [(5)] is set so that a lead angle and a pitch clearance of the threaded hole [(4)] of said nut body [(2)] coincide with a lead angle and a pitch clearance of a threaded hole [(10)] of said fastening nut [(7)].

10. (Currently Amended) A lock nut according to claim 7, wherein said fastening nut [(7)] is connected to the side of each of said projections [(5)] of said nut body [(2)]; and wherein a height of each of said projections [(5)] is set so that a lead angle and a pitch clearance of the threaded hole [(4)] of said nut body [(2)] coincide with a lead angle and a pitch clearance of a threaded hole [(10)] of said fastening nut [(7)].

11. (Currently Amended) A lock nut according to claim 2, wherein the height of each of said projections [(5)] is equal to or more than 30% of a length of said nut body [(2)] in the direction of its central axis.

12. (Currently Amended) A lock nut according to claim 3, wherein the height of each of said projections [(5)] is equal to or more than 30% of a length of said nut body [(2)] in the direction of its central axis.

13. (Currently Amended) A lock nut according to claim 4, wherein the height of each of said projections [(5)] is equal to or more than 30% of a length of said nut body [(2)] in the direction of its central axis.

14. (Currently Amended) A lock nut according to claim 7, wherein the height of each of said projections [(5)] is equal to or more than 30% of a length of said nut body [(2)] in the direction of its central axis.

15. (Currently Amended) A lock nut according to claim 8, wherein the height of each of said projections [(5)] is equal to or more than 30% of a length of said nut body [(2)] in the direction of its central axis.

16. (Currently Amended) A lock nut according to claim 9, wherein the height of each of said projections [(5)] is equal to or more than 30% of a length of said nut body [(2)] in the direction of its central axis.

17. (Currently Amended) A lock nut according to claim 10, wherein the height of each of said projections [(5)] is equal to or more than 30% of a length of said nut body [(2)] in the direction of its central axis.

18. (Currently Amended) A lock nut according to claim 2, wherein each of said projections [(5)] has a tapered mountain-shaped form.

19. (Currently Amended) A lock nut according to claim 3, wherein each of said projections [(5)] has a tapered mountain-shaped form.

20. (Currently Amended) A lock nut according to claim 4, wherein each of said projections [(5)] has a tapered mountain-shaped form.